ACTIVITY ANSWER KEY

Chapter 4, Section 1

Check your answers from the Answer Key.
Correct all errors, then complete your next goal.



Lesson 1: *Fundamentals*

Real Numbers

1. Real
2. Venn
3. integers
4. whole numbers
5. sets; subsets
6. family
7. numbers
8. set
9. subset
10. family
11. fractions
12. ratio
13. fraction
14. Counting
15. Whole
16. Integers
17. Integers
18. Irrational
19. irrational
20. (any order) whole, rational
21. integer
22. rational
23. Real, Integer, Rational
24. Real, Rational, Integers, Whole numbers
25. Real, Rational
26. Real, Rational
27. Real, Rational, Integers, Whole numbers
28. Real, Rational, Integers
29. Real, Rational, Integers, Whole numbers
30. Real, Rational
31. 5
32. positive, whole
33. rational
34. negative
35. real
36. -9
37. rational
38. irrational
39. fraction, repeating
40. irrational
41. Real, Irrational
42. Real, Rational, Integers
43. Real, Rational, Integers, Whole
44. Real, Irrational
45. Real, Rational, Integers, Whole
46. Real, Rational, Integers
47. Real, Rational
48. Real, Irrational
49. Real, Rational
50. *"A person is the sum of his or her life choices."*



Lesson 2: *Radicals*

Rational Thinking

1. undefined
2. zero
3. radical
4. rational
5. $\sqrt{3^2}$, 3
6. rationalizing
7. fraction
8. separately
9. first
10. first
11. 3
12. 6
13. 45
14. 3

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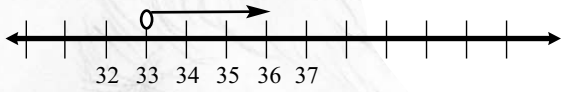
15. $6\sqrt{2}$
16. $\frac{15}{2\sqrt{2}}$
17. rationalized
18. $\sqrt{2}$
19. multiplied, denominator, $\sqrt{2}$
20. 2
21. $\frac{15\sqrt{2}}{4}$
22. numerator, denominator
23. multiplying, rationalized
24. $\frac{\sqrt{3}}{\sqrt{3}}$
25. 3
26. $\frac{25\sqrt{3}}{3}$
27. multiplier, denominator
28. numerator
29. $\frac{\sqrt{7}}{\sqrt{7}}$
30. 7
31. $\frac{\sqrt{35}}{7}$
32. 4
33. $\sqrt{10}$
34. $\sqrt{33}$
35. 4
36. $\sqrt{147}$
37. (c) $\frac{4\sqrt{3}}{3}$
38. (b) $\sqrt{7}$
39. $4\sqrt{3}$
40. $\frac{3\sqrt{2}}{2}$
41. $3\sqrt{2}$
42. $4\sqrt{3}$
43. $\frac{2\sqrt{11}}{11}$
44. (a) $\sqrt{5}$
45. *"A rational person calmly works through problems."*

Lesson 3: *Inequalities*
Less Than; Greater Than

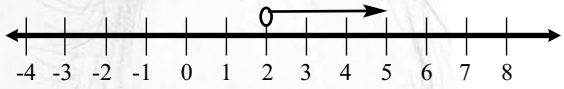
1. number line
2. greater
3. Mathematical expressions
4. inequality
5. left
6. less
7. right
8. right
9. equality
10. >
11. open
12. right
13. -1
14. left
15.



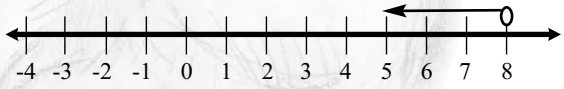
16. open
17. inequality
18. *x*
19. 33
20. 33
21. right
22.



23.



24.



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25.



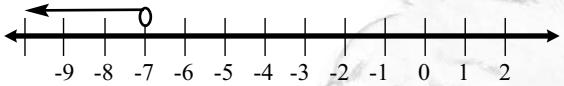
26.



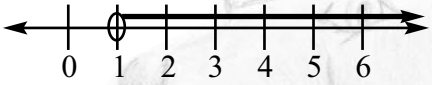
27. (b)



28.



29. (c)



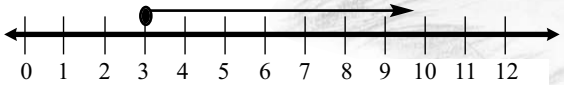
30. *"All men are created equal."*

Lesson 4: *Inequalities*
Less or Equal or Greater

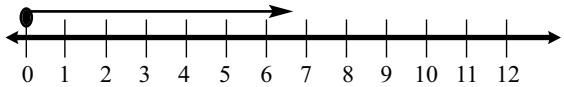
1. equal to
2. darkened
3. 2
4. right
5. right
6. -1
7. left
8. Yes
9. ≤
10. ≥
11. 15
12. same
13. 15
14. left
15. No
16.



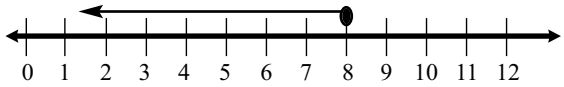
17.



18.



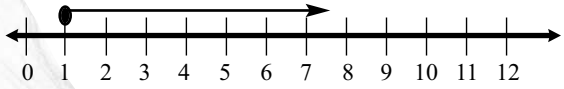
19.



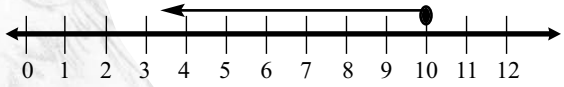
20.



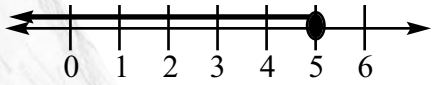
21.



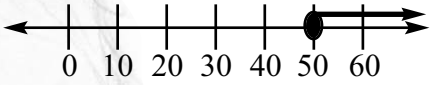
22.



23. (d)



24. (c)



25. *"Positive or negative choices always equal positive or negative consequences."*

Lesson 5: *Inequalities*
More, or Less Than

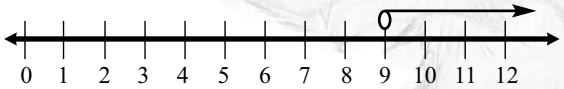
1. must
2. equalities
3. must
4. truth
5. equality
6. >
7. 2
8. *x*
9. 2
10. 2
11. open
12. right
13. <

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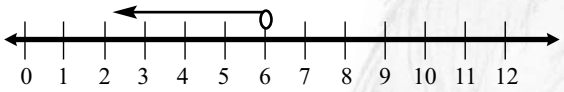
14. 5
15. 4
16. 5
17. open
18.



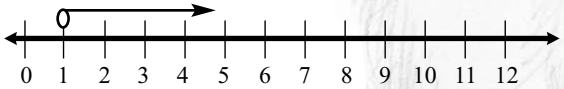
19. open
20. open
21. open
22. *x*
23. 4
24. 34
25. 30
26. subtracted
27. 30
28.



29.



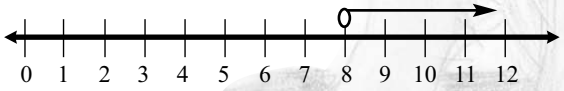
30.



31.



32.



33.



34. *"The company you keep equals the trouble you meet."*

Ask for your QUIZ over Section 1.
Reminder: Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!

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